

In the Claims

1. (once amended) A versatile customizable combination system for providing filtering of outbound requests for access to web sites on the Internet and for controlling inbound requests from the Internet for access to a web site of the system, comprising:

a plurality of computer users ~~each having a dynamically allocated Internet protocol address or a static Internet Protocol address,~~

one or a plurality of user computers, each having a dynamically allocated Internet protocol address or a static Internet Protocol address,

an administrative module/interface that includes configuration settings for inbound communications and for outbound communications, has list maintenance functions including list editing, list deleting, searching of lists, saving of lists, proxy chaining routing, adding and deleting users, interchanging lists and importing and exporting lists,

said administrative module located in a user computer for configuring a range of access levels and being capable of creating three types of user accounts that have unique user names and passwords for each user account including an administrator account that is self-configuring; and regular accounts with varying amounts of administrative privileges ~~other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who have no system-based user name or password,~~

a first proxy server in one or a plurality of ~~each~~ user computers of a local area network with access to the world wide web, each of said first proxy server having a friendly outbound list

and an unfriendly outbound list only one of which is active at any given time, and having a friendly inbound list and an unfriendly inbound list only one of which is active at any given time, the friendly outbound list, the unfriendly outbound list, the friendly inbound list and the unfriendly inbound lists being uniquely configurable by each user,

said first proxy server programmed to receive a request from an HTTP client and register the request in a logfile of all web sites requested by a user, check the identity of a requesting client and of a requested URL against the friendly inbound, friendly outbound, unfriendly inbound or unfriendly outbound list maintained by the administrative module and then either approve the request, terminate the request or re-route the request without the knowledge of the user,

a second proxy server without ~~an~~ the administrative module or a the friendly or the unfriendly list placed between the first proxy server and the Internet located at a gateway of a the local area network ~~system~~ or at an Internet Service Provider of the local area network, the second proxy server being capable of communicating to a proxy of a destination or directly to a destination, said second proxy server having an Internet Protocol address known only to a holder of the administrator account or a regular account with administrative privileges,

the first proxy server and the second proxy server have a network communication link between them.

2. (original) The system of claim 1, wherein the second proxy server is a first proxy server but has an empty unfriendly outbound list.

3. (original) The system of claim 1, wherein a third proxy server and/or additional proxy

servers forward inbound requests for resources to other proxy servers.

4. (once amended) The system of claim 1, wherein the system is compatible with both dialup modem connection to the Internet, a local area network and with virtual network line connection.

5. (once amended) A versatile customizable combination system for providing filtering of outbound requests for access to web sites on the Internet and for controlling inbound requests from the Internet for access to a web site of the system, comprising:

a plurality of computer users ~~each having a dynamically allocated Internet protocol address or a static Internet Protocol address,~~

one or a plurality of user computers, each having a dynamically allocated Internet protocol address or a static Internet Protocol address,

an administrative module/interface that includes configuration settings for inbound communications and for outbound communications, has list maintenance functions including list editing, list deleting, searching of lists, saving of lists, proxy chaining routing, adding and deleting users, interchanging lists and importing and exporting lists,

said administrative module located in a user computer for configuring a range of access levels and being capable of creating three types of user accounts that have unique user names and passwords for each user account including an administrator account that is self-configuring; and regular accounts with varying amounts of administrative privileges ~~other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one~~

~~anonymous guest user account to be used by general users who have no system based user name or password,~~

a first proxy server in ~~each~~ one or a plurality of user computers of a local area network with access to the world wide web, each of said first proxy server having a friendly outbound list and an unfriendly outbound list only one of which is active at any given time, and having a friendly inbound list and an unfriendly inbound list only one of which is active at any given time, the friendly outbound list, the unfriendly outbound list, the friendly inbound list and the unfriendly inbound lists being uniquely configurable by each user,

said first proxy server programmed to receive a request from an HTTP client and register the request in a logfile of all web sites requested by a user, check the identity of a requesting client and of a requested URL against the friendly inbound, friendly outbound, unfriendly inbound or unfriendly outbound list maintained by the administrative module and then either approve the request, terminate the request or re-route the request without the knowledge of the user,

a second proxy server without ~~an~~ the administrative module and without ~~a~~ the friendly or the unfriendly list placed between the first proxy server and the Internet located at a gateway of ~~a~~ the local area network ~~system~~ or at an Internet Service Provider of the local area network, the second proxy server being capable of communicating to a proxy of a destination or directly to a destination, said second proxy server having an Internet Protocol address known only to a holder of the administrator account or a regular account with administrative privileges,

the first proxy server and the second proxy server have a communication link between them,

and wherein inbound communications are arranged so that an actual location of ~~a highly~~

~~sensitive~~ an important resource is located in an unpublished location that is a replacement location to which requests rejected by the first proxy server are rerouted, wherein approved users are listed in the first proxy server in the unfriendly inbound list and are sent by the first proxy server to the replacement location, and wherein unapproved users are not listed in the unfriendly inbound list and have their request sent to a published address that contains ~~harmless~~ unimportant information.

6. (original) The system of claim 5, wherein the second proxy server is a first proxy server but has an empty unfriendly outbound list.

7. (once amended) A versatile customizable combination system for providing filtering of outbound requests for access to web sites on the Internet and for controlling inbound requests from the Internet for access to a web site of the system, comprising:

a plurality of computer users ~~each having a dynamically allocated Internet protocol address or a static Internet Protocol address,~~

one or a plurality of user computers, each having a dynamically allocated Internet protocol address or a static Internet Protocol address,

an administrative module/interface that includes configuration settings for inbound communications and for outbound communications, has list maintenance functions including list editing, list deleting, searching of lists, saving of lists, proxy chaining routing, adding and deleting users, interchanging lists and importing and exporting lists,

said administrative module located in a user computer for configuring a range of access levels and being capable of creating three types of user accounts that have unique user names and passwords for each user account including an administrator account that is self-configuring; and regular accounts with varying amounts of administrative ~~privileges other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who have no system based user name or password,~~

a first proxy server in ~~each~~ one or a plurality of user computers of a local area network with access to the world wide web, each of said first proxy server having a friendly outbound list and an unfriendly outbound list only one of which is active at any given time, and having a friendly inbound list and an unfriendly inbound list only one of which is active at any given time, the friendly outbound list, the unfriendly outbound list, the friendly inbound list and the unfriendly inbound lists being uniquely configurable by each user,

said first proxy server programmed to receive a request from an HTTP client and register the request in a logfile of all web sites requested by a user, check the identity of a requesting client and of a requested URL against the friendly inbound, friendly outbound, unfriendly inbound or unfriendly outbound list maintained by the administrative module and then either approve the request, terminate the request or re-route the request without the knowledge of the user,

and wherein inbound communications are arranged so that an actual location of a highly sensitive resource is located in an unpublished location that is a replacement

location to which requests rejected by the first proxy server are rerouted, wherein approved users are listed in the first proxy server as ~~unfriendly~~ in the unfriendly inbound list and are sent by the proxy server to the replacement location, wherein unapproved users are not listed in the unfriendly inbound list and have their request sent to a published address that contains ~~harmless~~ unimportant information.

8. (original) The system of claim 7, wherein the range of access levels ranges from maximum 100% access to full suspension.

9. (new) The system of claim 1, wherein the three types of user accounts that have unique user names and passwords for each user account include an administrator account that is self-configuring, regular accounts with administrative privileges other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who have no system-based user name and password.

10. (new) The system of claim 5, wherein the three types of user accounts that have unique user names and passwords for each user account include an administrator account that is self-configuring, regular accounts with administrative privileges other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who

have no system-based user name and password.

11. (new) A versatile customizable combination system for providing filtering of outbound requests for access to web sites on the Internet and for controlling inbound requests from the Internet for access to a web site of the system, comprising:

a plurality of computer users,

one or a plurality of user computers, each having a dynamically allocated Internet protocol address or a static Internet Protocol address,

an administrative module/interface that includes configuration settings for inbound communications and for outbound communications, has list maintenance functions including list editing, list deleting, searching of lists, saving of lists, proxy chaining routing, adding and deleting users, interchanging lists and importing and exporting lists,

said administrative module located in a user computer for configuring a range of access levels and being capable of creating three types of user accounts that have unique user names and passwords for each user account including an administrator account that is self-configuring and regular accounts with varying amounts of administrative privileges,

a first proxy server in one or a plurality of user computers of a local area network with access to the world wide web, each of said first proxy server having a friendly outbound list and an unfriendly outbound list only one of which is active at any given time, and having a friendly inbound list and an unfriendly inbound list only one of which is active at any given time, the friendly outbound list, the unfriendly outbound list, the



friendly inbound list and the unfriendly inbound list being uniquely configurable by each user, and

said first proxy server programmed to receive a request from an HTTP client and register the request in a logfile of all web sites requested by a user, check the identity of a requesting client and of a requested URL against the friendly inbound, friendly outbound, unfriendly inbound or unfriendly outbound list maintained by the administrative module and then either approve the request, terminate the request or re-route the request without the knowledge of the user.

12. (new) The system of claim 11, wherein the first proxy server is in each and every user computer.

13. (new) The system of claim 12, wherein the range of access levels ranges from maximum 100% access to full suspension.

14. (new) The system of claim 1, wherein the first proxy server is in each and every user computer.

15. (new) The system of claim 14, wherein the range of access levels ranges from maximum 100% access to full suspension.

16. (new) The system of claim 5, wherein the first proxy server is in each and every user computer.

17. (new) The system of claim 16, wherein the range of access levels ranges from maximum 100% access to full suspension.

18. (new) The system of claim 7, wherein the first proxy server is in each and every user computer.

19. (new) The system of claim 18, wherein the range of access levels ranges from maximum 100% access to full suspension.

20. (new) The system of claim 1, wherein the range of access levels ranges from maximum 100% access to full suspension.

21. (new) The system of claim 5, wherein the range of access levels ranges from maximum 100% access to full suspension.

22. (new) The system of claim 11, wherein the range of access levels ranges from maximum 100% access to full suspension.

23. (new) The system of claim 5, wherein the system is compatible with dialup modem connection to the Internet, a local area network and with virtual network connection.

24. (new) The system of claim 23, wherein the range of access levels ranges from maximum 100% access to full suspension.

25. (new) The system of claim 7, wherein the system is compatible with dialup modem connection to the Internet, a local area network and with virtual network connection.

26. (new) The system of claim 25, wherein the range of access levels ranges from maximum 100% access to full suspension.

27. (new) The system of claim 11, wherein the system is compatible with dialup modem connection to the Internet, a local area network and with virtual network connection.

28. (new) The system of claim 27, wherein the range of access levels ranges from maximum 100% access to full suspension.

29. (new) The system of claim 7, wherein the three types of user accounts that have unique user names and passwords for each user account include an administrator account that is self-configuring, regular accounts with administrative privileges other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who

have no system-based user name and password.

30. (new) The system of claim 11, wherein the three types of user accounts that have unique user names and passwords for each user account include an administrator account that is self-configuring, regular accounts with administrative privileges other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who have no system-based user name and password.

31. (new) A versatile customizable combination system for providing filtering of outbound requests for access to web sites on the Internet and for controlling inbound requests from the Internet for access to a web site of the system, comprising:

a plurality of computer users,

one or a plurality of user computers, each having a dynamically allocated Internet protocol address or a static Internet Protocol address,

an administrative module/interface that includes configuration settings for inbound communications and for outbound communications, has list maintenance functions including list editing, list deleting, searching of lists, saving of lists, proxy chaining routing, adding and deleting users, interchanging lists and importing and exporting lists,

said administrative module located in a user computer for configuring a range of access levels and being capable of creating three types of user accounts that have unique

user names and passwords for each user account including an administrator account that is self-configuring and regular accounts with varying amounts of administrative privileges, a first proxy server in one or a plurality of user computers of a local area network with access to the world wide web, each of said first proxy server having a friendly outbound list and an unfriendly outbound list only one of which is active at any given time, and having a friendly inbound list and an unfriendly inbound list only one of which is active at any given time, the friendly outbound list, the unfriendly outbound list, the friendly inbound list and the unfriendly inbound list being uniquely configurable by each user,

said first proxy server programmed to receive a request from an HTTP client and register the request in a logfile of all web sites requested by a user, check the identity of a requesting client and of a requested URL against the friendly inbound, friendly outbound, unfriendly inbound or unfriendly outbound list maintained by the administrative module and then either approve the request, terminate the request or re-route the request without the knowledge of the user,

a second proxy server without the administrative module and without the friendly or the unfriendly list placed between the first proxy server and the Internet located at a gateway of the local area network or at an Internet Service Provider of the local area network, the second proxy server being capable of communicating to a proxy of a destination or directly to a destination, said second proxy server having an Internet Protocol address known only to a holder of the administrator account or a regular account with administrative privileges,

the first proxy server and the second proxy server have a communication link

between them,

and wherein inbound communications are arranged so that an actual location of an important resource is located in an unpublished location that is a replacement location to which requests rejected by the first proxy server are rerouted, wherein approved users are not listed in the first proxy server in the friendly inbound list and are sent by the first proxy server to the replacement location, and wherein unapproved users are listed in the friendly inbound list and have their request sent to a published address that contains unimportant information.

32. (new) The system of claim 31, wherein the range of access levels ranges from maximum 100% access to full suspension.

33. (new) The system of claim 31, wherein the system is compatible with dialup modem connection to the Internet, a local area network and with virtual network connection.

34. (new) The system of claim 33, wherein the range of access levels ranges from maximum 100% access to full suspension.

35. (new) The system of claim 31, wherein the three types of user accounts that have unique user names and passwords for each user account include an administrator account that is self-configuring, regular accounts with administrative privileges other than the privilege to create additional accounts or view information on any other accounts

and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who have no system-based user name and password.

36. (new) A versatile customizable combination system for providing filtering of outbound requests for access to web sites on the Internet and for controlling inbound requests from the Internet for access to a web site of the system, comprising:

- a plurality of computer users,

- one or a plurality of user computers, each having a dynamically allocated Internet protocol address or a static Internet Protocol address,

- an administrative module/interface that includes configuration settings for inbound communications and for outbound communications, has list maintenance functions including list editing, list deleting, searching of lists, saving of lists, proxy chaining routing, adding and deleting users, interchanging lists and importing and exporting lists,

- said administrative module located in a user computer for configuring a range of access levels and being capable of creating three types of user accounts that have unique user names and passwords for each user account including an administrator account that is self-configuring and regular accounts with varying amounts of administrative privileges,

- a first proxy server in one or a plurality of user computers of a local area network with access to the world wide web, each of said first proxy server having a friendly outbound list and an unfriendly outbound list only one of which is active at any given

time, and having a friendly inbound list and an unfriendly inbound list only one of which is active at any given time, the friendly outbound list, the unfriendly outbound list, the friendly inbound list and the unfriendly inbound list being uniquely configurable by each user,

said first proxy server programmed to receive a request from an HTTP client and register the request in a logfile of all web sites requested by a user, check the identity of a requesting client and of a requested URL against the friendly inbound, friendly outbound, unfriendly inbound or unfriendly outbound list maintained by the administrative module and then either approve the request, terminate the request or re-route the request without the knowledge of the user,

and wherein inbound communications are arranged so that an actual location of a important resource is located in an unpublished location that is a replacement location to which requests rejected by the first proxy server are rerouted, wherein approved users are not listed in the first proxy server in the friendly inbound list and are sent by the proxy server to the replacement location, wherein unapproved users are listed in the friendly inbound list and have their request sent to a published address that contains unimportant information.

37. (new) The system of claim 36, wherein the range of access levels ranges from maximum 100% access to full suspension.

38. (new) The system of claim 36, wherein the system is compatible with dialup modem connection to the Internet, a local area network and with virtual network



connection.

39. (new) The system of claim 38, wherein the range of access levels ranges from maximum 100% access to full suspension.

40. (new) The system of claim 36, wherein the three types of user accounts that have unique user names and passwords for each user account include an administrator account that is self-configuring, regular accounts with administrative privileges other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who have no system-based user name and password.

41. (new) A versatile customizable combination system for providing filtering of outbound requests for access to web sites on the Internet, comprising:

a plurality of computer users,

one or a plurality of user computers, each having a dynamically allocated Internet protocol address or a static Internet Protocol address,

an administrative module/interface that includes configuration settings for outbound communications, has list maintenance functions including list editing, list deleting, searching of lists, saving of lists, proxy chaining routing, adding and deleting users, interchanging lists and importing and exporting lists,

said administrative module located in a user computer for configuring a range of

access levels and being capable of creating three types of user accounts that have unique user names and passwords for each user account including an administrator account that is self-configuring and regular accounts with varying amounts of administrative privileges,

a first proxy server in one or a plurality of user computers of a local area network with access to the world wide web, each of said first proxy server having a friendly outbound list and an unfriendly outbound list only one of which is active at any given time, the friendly outbound list and the unfriendly outbound list being uniquely configurable by each user,

said first proxy server programmed to receive a request from an HTTP client and register the request in a logfile of all web sites requested by a user, check the identity of a requested URL against the friendly outbound list or unfriendly outbound list maintained by the administrative module and then either approve the request, terminate the request or re-route the request without the knowledge of the user,

a second proxy server without the administrative module or the friendly or the unfriendly list placed between the first proxy server and the Internet located at a gateway of the local area network or at an Internet Service Provider of the local area network, the second proxy server being capable of communicating to a proxy of a destination or directly to a destination, said second proxy server having an Internet Protocol address known only to a holder of the administrator account or a regular account with administrative privileges,

the first proxy server and the second proxy server have a network communication link between them.

42. (new) The system of claim 41, wherein the three types of user accounts that have unique user names and passwords for each user account include an administrator account that is self-configuring, regular accounts with administrative privileges other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who have no system-based user name and password.

43. (new) The system of claim 41, wherein the range of access levels ranges from maximum 100% access to full suspension.

44. (new) The system of claim 41 wherein the system is compatible with dialup modem connection to the Internet, a local area network and with virtual network connection.

45. (new) The system of claim 44, wherein the range of access levels ranges from maximum 100% access to full suspension.

46. (new) A versatile customizable combination system for providing filtering of outbound requests for access to web sites on the Internet, comprising:

a plurality of computer users,

one or a plurality of user computers, each having a dynamically allocated Internet

protocol address or a static Internet Protocol address,

an administrative module/interface that includes configuration settings for outbound communications, has list maintenance functions including list editing, list deleting, searching of lists, saving of lists, proxy chaining routing, adding and deleting users, interchanging lists and importing and exporting lists,

said administrative module located in a user computer for configuring a range of access levels and being capable of creating three types of user accounts that have unique user names and passwords for each user account including an administrator account that is self-configuring and regular accounts with varying amounts of administrative privileges,

a first proxy server in one or a plurality of user computers of a local area network with access to the world wide web, each of said first proxy server having a friendly outbound list and an unfriendly outbound list only one of which is active at any given time, the friendly outbound list and the unfriendly outbound list being uniquely configurable by each user, and

said first proxy server programmed to receive a request from an HTTP client and register the request in a logfile of all web sites requested by a user, check the identity of a requested URL against the friendly outbound or unfriendly outbound list maintained by the administrative module and then either approve the request, terminate the request or re-route the request without the knowledge of the user.

47. (new) The system of claim 46, wherein the three types of user accounts that have unique user names and passwords for each user account include an administrator

account that is self-configuring, regular accounts with administrative privileges other than the privilege to create additional accounts or view information on any other accounts and regular accounts without administrative privileges and in addition a fourth type of user account namely one anonymous guest user account to be used by general users who have no system-based user name and password.

48. (new) The system of claim 46, wherein the range of access levels ranges from maximum 100% access to full suspension.

49. (new) The system of claim 46 wherein the system is compatible with dialup modem connection to the Internet, a local area network and with virtual network connection.

50. (new) The system of claim 49, wherein the range of access levels ranges from maximum 100% access to full suspension.